

Power Cost Memorandum Fuel Cost Update

Date: August 19, 2021

Utility Name (Cert. No.) <u>City of Pelican (24)</u>	Utility File No. <u>PC105-1220D</u>	Date Filed: <u>July 7, 2021</u>
---	--	------------------------------------

PCE AMOUNT SUMMARY	Previously Approved PC105-1220C	Staff Recommended Amount(s) and Effective Date PC105-1220D
Class Rate	<u>Date Approved:</u> July 1, 2021	August 20, 2021
Residential	\$0.0608	\$0.0608
Community	\$0.1185	\$0.1366
<div style="display: flex; justify-content: space-around;"> <div> <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent </div> <div> <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent </div> </div>		

Prior Fuel Purchase Price: <u>\$ 2.7735</u>	New Fuel Purchase Price: <u>\$ 3.1235</u>
<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous <u>0</u> Updated <u>0</u>

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 8/19/21)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u> RMP		
Kurber		<u>KKI</u>		
Scott		<u>AGS</u> AGS		
Sullivan		<u>DS</u> DS		
Wilson		<u>JWW</u> JWW		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

City of Pelican

APPENDIX 1

POWER COST EQUALIZATION CALCULATION FOR THE TEST PERIOD ENDING June 30, 2020

Fuel Cost Update

		PC105-1220C	PC105-1220D	
		Prior Commission Approved	Utility Request	Staff Recommended
A.	Total KWH Generated	1,137,744	1,137,744	1,137,744
B.	Total KWH Sold (Appendix 2)	1,017,530	1,017,530	1,017,530
C.	Total Non-Fuel Costs (Appendix 2)	176,874	176,874	176,874
D.	Non-Fuel Cost/KWH (C / B)	\$0.1738	\$0.1738	\$0.1738
E.	Total Fuel Costs (Appendix 2)	153,871	173,289	173,289
F.	Fuel Costs/KWH (E / B)	\$0.1512	\$0.1703	\$0.1703
G.	Eligible Costs/KWH (D + F)	\$0.3250	\$0.3441	\$0.3441
H.	Eligible Cost/KWH (G) Less 20.03 cents/kWh	\$0.1247	\$0.1438	\$0.1438
I.	Lesser of (H) or 79.97 cents/kWh	\$0.1247	\$0.1438	\$0.1438
J.	Average Class Rates (Appendix 3)			
	Residential	\$0.0608	\$0.0608	\$0.0608
	Community up to 6,510	\$0.2908	\$0.2908	\$0.2908
	Community over 6,511	\$0.1497	\$0.1497	\$0.1497
		Class Power Cost Equalization Per kWh Payable		
K.	Lesser of: (I) x 95%, or (J)			
	Residential	\$0.0608	\$0.0608	\$0.0608
	Community up to 6,510	\$0.1185	\$0.1366	\$0.1366
	Community over 6,511	\$0.1185	\$0.1366	\$0.1366
L.	Funding Level in Effect	100%	100%	100%
	Residential	\$0.0608	\$0.0608	\$0.0608
	Community up to 6,510	\$0.1185	\$0.1366	\$0.1366
	Community over 6,511	\$0.1185	\$0.1366	\$0.1366

PC105-1220D
Appendix 1

City of Pelican

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES AND EFFICIENCY FOR THE TEST PERIOD ENDING June 30, 2020

Fuel Cost Update

		PC105-1220C	PC105-1220D	
		Prior Commission Approved	Per Utility	Staff Recommended
Non-Fuel Costs:				
A.	Personnel Expense	76,986	76,986	76,986
B.	Operating Expense	34,639	34,639	34,639
C.	General and Administrative Expense	30,133	30,133	30,133
D.	Depreciation Expense	35,116	35,116	35,116
E.	Other Expense	0	0	0
F.	Total Non-Fuel Costs	176,874	176,874	176,874
Fuel Costs:				
G.	Gallons Consumed for Electric Generation	55,479	55,479	55,479
H.	Price of Fuel: (per gal.) Actual Cost 5/17/2021 Invoice # 59657	2.7735	3.1235	3.1235
I.	Total Fuel Costs	153,871	173,289	173,289
J.	Total kWh Generated	1,137,744	1,137,744	1,137,744
J.1	Diesel kWh Generated	736,466	736,466	736,466
J.2	Hydro kWh Generated	401,278	401,278	401,278
K.	kWh Sales	1,017,530	1,017,530	1,017,530
L.	kWh Station Service	56,820	56,820	56,820
M.	Efficiency (J.1 / G)	13.27	13.27	13.27
N.	Line Loss	5.57%	5.57%	5.57%
(kWh generated - (kWh Sold + Station Service))/kWh generated				

Staff notes Pelican included the State motor fuel tax of \$0.05 in the cost per gallon of fuel on its Fuel Report. Staff removed the motor fuel tax from the amount reported to calculate the cost per gallon listed above. Staff removed it because fuel used by power plants for power generation are exempt and entitled to a refund of the motor fuel tax paid. (AS 43.40.015(d)(1), AS 43.40.030(d), and AS 43.40.100(C))

PC105-1220D
Appendix 2

CALCULATION OF AVERAGE CLASS RATE PER kWh

Rate Schedule: **Residential**

Customer Charge \$10.54

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to 500	0.2400	0.0000	0.2400	130.5400		
to						
to						
to						
Max 500			Total	130.5400	0.2611	0.0608

Rate Schedule:

Customer Charge;

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
Max			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
Max			Total			

Signature: 

Email: antony.scott@alaska.gov

Signature: 
Daniel Sullivan (Aug 19, 2021 10:48 AKDT)

Email: daniel.sullivan@alaska.gov

Signature: 
Janis W. Wilson (Aug 19, 2021 10:56 AKDT)

Email: janis.wilson@alaska.gov

Signature: 

Email: bob.pickett@alaska.gov

Signature: 
Keith Kurber II (Aug 19, 2021 08:49 AKDT)

Email: keith.kurber@alaska.gov

CALCULATION OF COMMUNITY FACILITY AVERAGE RATE PER kWh
TEST PERIOD: Current Rates

Rate Schedule: Community		Customer Charge		10.54
(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) <small>((2+3)*500+CC)</small>	(6) Average Rate (4/1)(\$/kWh)- \$ 0.2003
0 to 6,510	0.4700		0.4911	0.2908
6511 to	0.3500		0.3500	0.1497
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				